

**1.0 Preparation and company identity**

Identification of the preparation

**HP Laser Jet Cartridge C4129X**

Company identification

**HEWLETT-PACKARD****COMPANY****11311 Chinden Blvd.  
Boise, ID 83714**

Telephone number

**Hewlett-Packard - Boise Site  
(208) 396-6000****Hewlett-Packard - General Information  
208 323-2551****2.0 Composition/information on ingredients**

**This product is a toner preparation that is used in a Hewlett-Packard LaserJet 5000 printer.**

Ingredients

Substance	CAS number	Percent (wt)	Symbol	R Phrase
Styrene Acrylate Copolymer		40 - 50	-	-
Iron Oxide	(1317-61-9)	40 - 50	-	-

**3.0 Hazards identification**

Potential Health Effects

<b>Ingestion effects:</b>	<b>Ingestion is not applicable route of entry for intended use.</b>
<b>Inhalation effects:</b>	<b>Minimal respiratory tract irritation may occur with exposure to large amount of toner dust.</b>
<b>Eye Effects:</b>	<b>May cause eye irritation.</b>
<b>Skin effects:</b>	<b>Unlikely to cause skin irritation.</b>
<b>Chronic Effects:</b>	<b>None known</b>

Environmental hazards

**No particular hazards known.**

**4.0 First-aid measures****Ingestion**

**Rinse mouth with water. Drink one to two glasses of water. If symptoms occur, consult a physician.**

**Inhalation**

**Move person to fresh air immediately. If symptoms occur, consult a physician.**

**Eye Contact**

**Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes. If irritation persists, consult a physician.**

**Skin Contact**

**Wash affected areas thoroughly with soap and water. If irritation persists, consult a physician.**

**5.0 Fire-fighting measures**

**Flash Point (method used):**

**No data available**

**Ignition Temperature:**

**No data available**

**Flammability:**

**Non-flammable solid (according to test methods  
USA 16 CFR 1500.44 and 84/449/EEC**

**of**

**(Annex V)**

**Flammable Limits:**

**No data available**

**Extinguishing Media:**

**CO<sub>2</sub>, water, dry chemical**

**Special Fire Fighting Procedures:**

**None**

**Unusual Fire & Explosion Hazards:  
powder  
explosion.**

**Toner material, like most organic material in  
form, is capable of creating a dust**

**6.0 Accidental release measures****Spill and Leakage Procedures**

**Wear personal protective equipment as described in Section 8. Avoid breathing dust. Minimize the release of particles. Vacuum or sweep the material into a bag or other sealed container. If a vacuum is used, the motor must be rated as dust tight. Dispose of waste toner in accordance with local requirements.**

**Environmental precautions**

**Do not discharge into drains (See also Section 13, Disposal Considerations).**

**7.0 Handling and storage****Advise on safe handling and protection against fire**

**Keep material out of reach of children. Avoid inhalation of dust and contact with eyes. Keep away from excessive heat, sparks, and open flames.**

**Requirements for storage rooms and advice on storage compatibility**

**Keep out of the reach of children. Keep container closed and store at room temperature. Keep away from strong oxidizers.**

**8.0 Exposure controls / personal protection**

## Exposure Limits For Toner:

USA OSHA (TWA<sup>5</sup>)/PEL:**15 mg/m<sup>3</sup> (Total Dust)**

ACGIH (TWA/TLV):

**5 mg/m<sup>3</sup> (Respirable Fraction)****10 mg/m<sup>3</sup> (Inhalable Particulate)****3 mg/m<sup>3</sup> (Respirable Particulate)****6 mg/m<sup>3</sup> (Feinstaubkonzentration)**

DFG (MAK):

(Also refer to Section 2.)

Respiratory Protection:

**Not required under intended use.**

Ventilation:

**Good general ventilation should be sufficient under intended use.**

Protective Gloves:

**Not required under intended use.**

Eye Protection:

**Not required under intended use.**

Other Protective Equipment:

**Not required under intended use.****9.0 Physical and chemical properties**

Boiling Point:

**Not applicable**

Melting Point:

**100 - 150°C (Softening Point)**

Vapor Pressure (mmHg.):

**Not applicable**

Vapor Density (Air=1):

**Not applicable**

Solubility in Water:

**Negligible**

Solubility in Organic Solvents:

**Partially soluble in toluene and xylene.**Specific Gravity (H<sub>2</sub>O=1):**1.4- 1.8**

Percent Volatile by Volume:

**Not applicable**

Evaporation Rate (Butyl Acetate=1):

**Not applicable**

pH:

**Not applicable**

Appearance and Odor:

**Fine black powder, slight plastic odor.****10.0 Stability and reactivity**

Stability:

**Stable**

Incompatibility:

**Strong oxidizers**

Hazardous Decomposition Products:

**Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon****monoxide.**

Hazardous Polymerization:

**Will not occur.**

**11.0 Toxicological information****Acute Toxicity:**

Inhalation: LC 50: >5mg/L/4 hrs. (Rats, data from similar toner).  
Ingestion: Oral LD 50: >2000 mg/Kg (Rats, data from toner ingredients).  
Eye Contact: Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive based on test data of rabbits.

**67/548/EEC**

Skin Contact: Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive based on test data of rabbits.

**67/548/EEC**

Chronic Toxicity: No data available.  
Sensitization: Not classified as a sensitizer according to Annex 1 of EU Directive 67/548/EEC and FHSA.  
Mutagenicity: Negative (Ames Test: Salmonella typhimurium)  
Carcinogenicity: Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, Proposition 65 (California).

**or**

Reproductive Toxicity: Not classified as toxic according to Annex 1 of EU Directive 67/548/EEC, California Prop. 65, or DFG.  
Other: Sub-Acute Toxicity (Rat)- 90 day inhalation test, No Observable Effect Level (NOEL): 16 mg/m<sup>3</sup>.

**12.0 Ecological information**

No data available for ecological and wastewater treatment (sewage) systems. Avoid spills and dispose of in accordance with applicable laws and regulations.

**13.0 Disposal considerations**

Product / unused product / contaminated packaging (for Germany only)

**Recommendation:** consult with the disposal agency and the relevant authorities; cleansing agent is water.

**14.0 Transportation information****International Transport Information:**

UN No.: 2807  
UN Shipping Name: Magnetized Material  
Hazards Class: 9  
Packing Group: None  
Special Precautions: 33 or more of these products shipped together by air are regulated as magnetized material.

**15.0 Regulatory information**

Chemicals Required to Report Under Sara Title III Section 313 (USA):

**None**

Chemicals Required to Report Under California Proposition 65 (USA):

**None**

Label Information According to the Directives 88/379/EEC and 67/548/EEC (EU):

Symbol and Indications:

**Not required.**

R Phrases:

**Not required.**

S Phrases:

**Not required.**

Dangerous Components (CAS No.) wt%:

**None**

Other:

**None**

Special provisions in relation to protection of man or the environment:

(EEC) 2455/92:

**Not regulated.**

76/769/EEC:

**Not regulated.**

(EC)3093/94

**Not regulated.**

Other:

**None****16.0 Other information**

**This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products as described or their suitability for a particular application.**

**For general information, contact Hewlett-Packard at 208 323-2551.**